

Nucleonica comments to Version 63
13/07/2007

Free access comments III:

General

A) Select Ca 40: go to Mass Activity calculator. This image is wrong, although it is correct in the NE. The same is true in the Datasheets, decay engine, Dosimetry& Shielding

Nuclear Data Retrieval:

- 1) Remove the first tab level (Database/Forum) – as in previous versions (see fig)
→ tab title is removed, but the frame still exists: remove it also
- 2) ✓ Nuclide search: sorting/ordering shall be done in all pages. Thus one can go to previous/next page and keep the ordering. At the present moment time, ordering is fine on the viewed page but when going to the next one the ordering is lost.
→ ~~The ordering column should be highlighted:~~ the default ordering column (nuclides) should also remain highlighted after a page change
→ Abundance are sorted as text string instead as numbers
→ Excel download: remove the coma after the \pm sign in the half life column
→ Excel download: half integer values of the spin column are interpreted as a date.
→ Excel download: the "hiddensort" column should be downloaded? Remove "hiddensort"
→ The parity column is empty
→ The CSV-download doesn't reflect the current ordering
- 3) Nuclide search & Advanced Search: Replace the "Stable" radiobutton label by "Stable/Primordial". Selecting this option shall lead to displayed nuclides with "Stable" (pure stable, such as H1, He4), "Primordial" ($T_{1/2} = -99$ and having abundance & decay mode, e.g. Ca40) and " $T_{1/2}$ " (nuclides with $T_{1/2} > 0$ and abundance i.e. U238).
→ Search: Stable/Primordial, Decay Mode not checked: 231 results / 226 nuclides but there are 287 nuclides with abundances; nuclides with half life are not displayed: this is wrong
→ Advanced Search: Stable/Primordial - Decay Mode: 200/200 (wrong: is the number of results limited by 200?)
→ Search β^- : Search returned 1473 results (ok) Number of nuclides: 1370 (wrong) in this case the number of nuclides is the same as the number of results.
→ Search β^- : 1370 results/ 1370 nuclides (wrong): correct is 1473/1473
→ Search β^- isomers: Search returned 195 results (ok) Nuclides: 180 (wrong) in this case the number of nuclides is the same as the number of results.
→ Search β^- isomers: Search returned 180 results / 180 Nuclides (wrong)
- 4) Reset button only clears the entries in the Results table. T should also clear/reset all values in the input selectors
- 5) ✓ Radiation Search: wrong format for the given gamma/alpha line energies. Do not format those energies in scientific format but leave them as they appear in the DB.
→ the default ordering should be on the energy (ascending) (sorry, descending!)
→ ~~The ordering column should remain highlighted if we select another page the~~ default ordering column (nuclides) should also remain highlighted after a page change

- Download: remove the coma after the \pm sign in the half life column
- the downloaded file reflects NOT the selected ordering: Excel is now ok, but CSV has still to be done
- ~~on the print page, put a title, a logo, and the selection criteria:~~ just suppress the search, save, reset and print buttons, the download controls and the outer frame (fit in 2 pages?)
- after changing the search tab (or the selection criteria ?) reset the current page to 1
- 6) ✓Radiation Search/Input box for the energy: add two extra input for energy so the user can make cross-search with a maximum of three energy lines (AND command).
 - the Energy label should be before the first input box; also the radio button gamma & X-ray
 - keep a little bit more space between the input and the keV label
- 7) ✓Advanced Search:
 - If we select all output columns: put long column headers in multiple lines in order to save space, but put data (e.g. half life) always in one line: has still to be done
 - After a reordering, values are displayed in fixed point notation with lots of decimals: keep the original data format.
 - only nuclide, half life, decay mode, abundance and spin are now filled out, all other columns remain empty
 - the default ordering column should be highlighted
 - only 200results/128nuclides by half life search without any filter: is the output limited?

Nuclide Explorer

- 8) Nuclide Explorer: text in the filter decay box shall be closer to the checkboxes, such as in the searchable databases.
 - has still to be done
 - we need a check box for stables/primordial in the filter decay box (only in NE, not in the Search DBs)
 - Element info leads to the element info page not to the element itself
 - can you add a right-click function "Fadenkreuz"?
- 9) Nuclide Explorer: Previous bug still exists. When changing the size of the browser window, then using the browser cursors and trying to select a nuclide, the chart doesn't reacts anymore
 - has still to be done
- 10) Nuclide Explorer. Numbers of nuclides still incorrect. To be corrected based on Raymond's comments sent to Dialogika on the 25/06/07.
 - Main modes: alpha: wrong; β^- :ok; β^+ :wrong; IT: wrong; n: ok; SF: ok; p:ok ; ec: ok; but isomers are always wrong (mostly +2)
 - Filter decay mode: wrong (see Nuclear Data Retrieval)
 - has still to be done

General

- 11) All tables (and in particular for the administration/users/date of registration): the ordering shall be in descending order i.e. the highest/latest on top.

12) All tables: when data are presented on several pages, ordering shall be done on all values and not only for the values of the displayed page. In addition, when going to the previous or next page the chosen order shall be kept and not going back to default ordering.

→ and the ordering column should remain highlighted.

→ and the default ordering column should remain highlighted.

→ conserve the format of the displayed values (s. above Point 20.)

→ doesn't download any hidden sort column

Administration

13) ✓ Administration: the RDD module option shall be activated through a check-box not being a new group of user. All groups of user shall be able to access the RDD module if allowed in their profile. An "Options" frame shall be implemented in the user profile, where administrator can activate RDD module and further optional module to be implemented in the future. This "special module activation mode" is required.

→ since the RDD is a restricted access module, we should have an additional check box to decide if it should appear or not on the application centre if it is disabled.

→ new modules including the RDD one, should be displayed in a table, so the administrator has just to click a checkbox to grant the permission to a user. Also a check box to display entry in portal.

14) ✓ User preferences: if the user check the email alert and save, it seems to be done but when coming back to the preferences, the email alert checkbox is always unchecked.

15) Google Analytics still does not work for the Nucleonica application

16) → the email alert still doesn't work

→ has still to be done

Calculator

17) ~~Calculator:~~ → but correct the wrong values: $J \leftarrow \rightarrow \text{MeV}$ and $\text{MeV} \leftarrow \rightarrow u$ (look in the DB for the right values)

18) Calculator: when value is input in scientific notation than result value shall be as well displayed in scientific notation.

New points:

19) Dialogika did a good job with the "reactor" logo in the webKORIGEN module. Could you also do graphic logos for a) Physical constants - perhaps a large Greek

π , b) Universal Nuclide Chart (a small decay chain?) c) Nuclear News

20) The default nuclide used for applications /datasheets etc. should not be Ac206 – it should be the last used nuclide in My Last Nuclides

21) Mass Activity Calculator: length of the Quantity input field should be shorter to match the table below.

22) Admin: Message: Selecting a user: the letter M does not work!

23) Free Access user has no access to the Ask an Expert

24) The quality certification is missing. I sent this to Carsten earlier in the week explaining what should be done

25) Upgrade Account: there is a lot of empty space here. In this empty space we should have at least one link "more information.." linked to the "Modules, Packages and Prices" in the wiki